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SUBJECT: Iran's Silkworm Ant NESA M 87-20069	iship Missile Capability	25X1
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2 July 1987

MEMORANDUM	
SUBJECT: Iran's Silkworm Antiship Missile Capability	
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Tehran became interested in acquiring the Chinese-made Silkworm antiship missile after Iranian military and political	
officials visited Beijing in the late summer of 1985	25 X 1
Despite Iranian reservations about	25 X 1
the quality of the weapon, the Revolutionary Guard signed a	
contract later that year to purchase several hundred Silkworm missiles and 48 launchers (12 batteries of 4 launchers each),	
Both the	25X1
Revolutionary Guard and the Iranian Navy were to receive the	
missiles. The Iranians intended to use the missiles to counter new frigates that Italy was building for Iraq and that were	
scheduled for delivery in 1986.	25X1
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So far, four	
launcher vehicles, 20 missile crates, and the related radar and support vehicles have been seen during unloading operations at	
the port. Tehran may have received additional missiles and	
launchers	25 X 1
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We believe that the rest of the	23/1
This paper was prepared by Iran-Iraq Branch,	25X1
Persian Gulf Division, Office of Near Eastern and South Asian	
Analysis. Comments and queries are welcome and may be directed to the Chief, Iran-Iraq Branch, Persian Gulf Division, NESA,	
branch, Fersian Guil Division, NESA,	25 X 1
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intelligence community, while recognizing the institutions zation of the Guard, cannot entirely discount the possibilithat a local Guard commander might act independently to a US-flag ship, especially if hostilities already were under	lity ttack a
Although Navy personnel probably are more technically competent than Revolutionary Guards, we believe both service apable of firing the Silkworm.	ices are
Revolutionary Guard's lack of educated personnel and diffi operating technical systems in the past suggest that the Conore likely to make mistakes that would reduce the effection of the Silkworm.	Suard is
Varning	
Iranian leaders are unlikely to give any public indicated they are preparing to use the Silkworm. Instead, the public statements probably will remain ambigious to hide to intentions and allow them to justify and carry out a varied actions. Statements by US officials concerning possible breemptive strikes will make Tehran especially careful not give any sign that it is preparing to use the missiles.	eir heir ety of
We believe little or no tactical warning would be evident a Silkworm missile was being prepared for launch. On easis of statements of Iranian officials, we believe Tehra ware of efforts and eake precautions to hide the Silkworms and preparations for aunch. The wheeled launcher can be moved and launched from the latter along the coast. Prepared positions—such as the	the n is would r om any

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Although Iran is most likely to fire a Silkworm from sites on or near the Iranian mainland, Tehran may try to use other locations to surprise or reduce warning to targets and extend the Iran could, for example, put a Silkworm Silkworm's capabilities. launcher and launch equipment onto a large barge or ship to carry out shipping attacks from unexpected directions anywhere in the Launching a Silkworm from a ship would reduce the effectiveness of the missile, but we believe it still would have a considerable chance of hitting a target. Tehran might deploy missile launchers and radars to Farsi Island, in the central Gulf, from which Silkworms would have the range to hit any ship attempting to reach Kuwait. The Iranians also could place a Silkworm launcher on one of their large offshore oil platforms in the Gulf.

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Neutralizing the Silkworm

We believe the Silkworm threat would be difficult to eliminate with air or naval attacks on Iran. Because of the unlikelihood that all the launchers and associated equipment would be found, a single or even repeated strikes probably would not destroy and might not even significantly reduce Iran's capability to attack ships with Silkworms. Tehran already may have dispersed the Silkworms throughout the Bandar-e Abbas area--and perhaps other parts of Iran--to reduce the chance that all missiles could be destroyed in a preemptive attack. Even if the location of a launcher were known--for example after a launch--the Iranians would need less than two hours to dismantle a launcher and might be able to move it before an effective air or naval attack could be launched.

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Prospects

The Silkworm is the least likely option Iran would use in the range of options it has to attack shipping in the Gulf. The Silkworm's high potential to heavily damage or sink a ship and its inability to strike specific targets among a group of ships may make the Iranians reluctant to use it before they have tried other measures. Among its other options, Iran could increase its

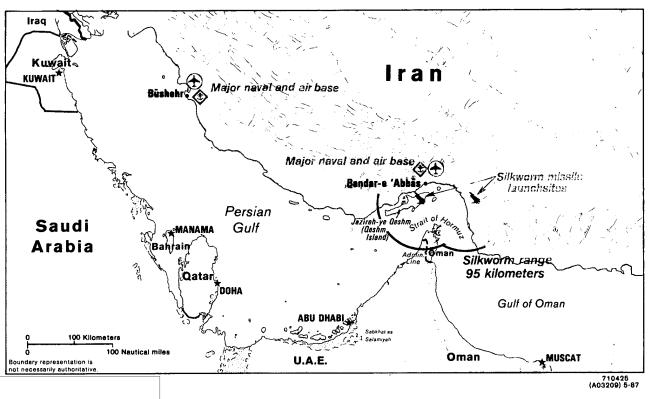
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mining of sea lanes because such activities would allow Tehran to deny responsibility and thus reduce the likelihood of US retaliation. Iran might try to use small, maneuverable speed boats armed with light weapons in quick harassing raids on ships. If such measures failed to influence US activities, we believe Tehran would consider attacks by small civilian aircraft, fighter aircraft, or Iranian warships.

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If backed into a corner, we believe Iran's initial use of a Silkworm would be against a commercial ship or, should it occur, an unescorted US flag tanker traveling to or from Kuwait. Tehran might decide to strike a non-US tanker to demonstrate the Silkworm's capabilities and Iran's resolve while avoiding a direct attack on US ships. If the Iranians decide to attack escorted ships, we believe they would prefer to use the Silkworm against tankers rather than the nearby US warship escorts. The Silkworm's poor target discrimination capability, however, increases the likelihood that an escort warship might be struck. Iran probably would deliberately target Silkworms against US warships only after a US air or naval attack on Iranian territory.

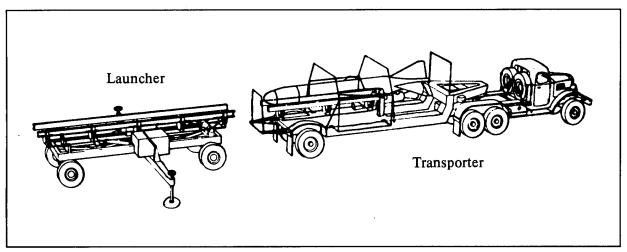
Iranian Capabilities To Attack Shipping



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Silkworm Antiship Cruise Missile





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